

## INSTALLATION NOTES

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1. Disconnect the battery and drain engine coolant enough to remove the upper radiator hose without losing coolant. Remove the air duct at the engine and air cleaner. Remove the upper radiator hose at the engine. Using a 1/2" ratchet or other suitable tool, depress the tensioner and remove the serpentine belt. Remove the OEM idler at location A and install it back onto the engine at location B. Remove the bolts at locations C,D, and E. Install bracket (1) onto the engine using bolts (4) at locations C,D, and E. (Do not tighten) Install brace (2) with bolt (6) at the engine, and bolts (5) into bracket (1). With all bolts installed finger tight, torque bolts (4) to 25 ft. lbs. Then torque bolt (6) to 40 ft. lbs. and bolts (5) to 25 ft. lbs.

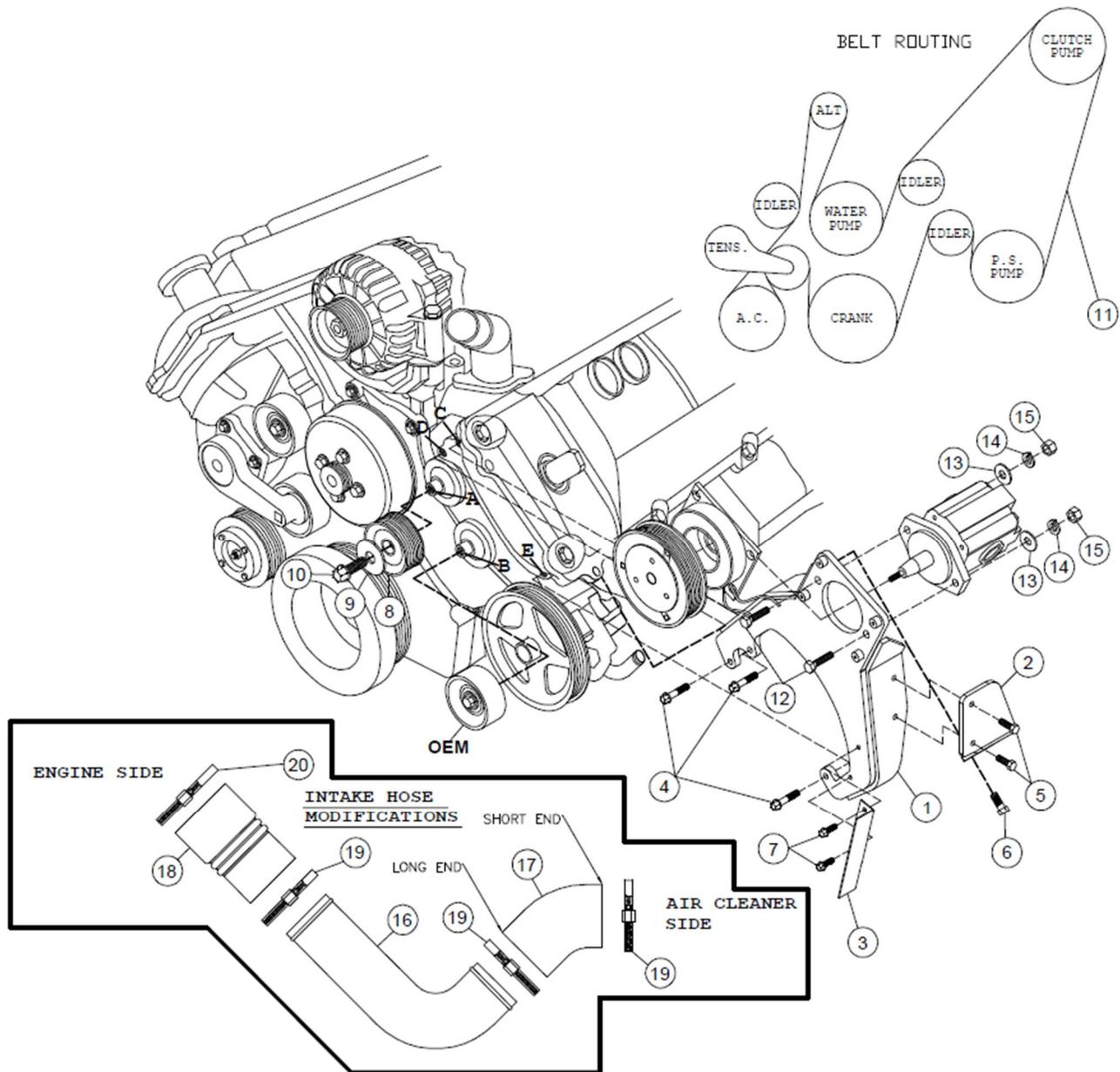
**NOTE: On vehicles with black composite valve covers, it will be necessary to trim some plastic from the lower front portion of the valve cover for belt clearance.**

2. Install idler (8) at location A with bolt (10) and washer (9). Install belt guard (3) with bolts (7). Do not tighten at this time. Install the pump into the bracket with bolts (12), flat washers (13), lock washers (14) and nuts (15). Install clutch and coil per manufacturer's instructions. Install the belt (11) as shown in the belt routing diagram. Adjust the belt guard (3) to obtain 1/8" to 1/4" clearance then tighten bolts (7).

3. Install the upper radiator hose extension (24) using O.E.M. hose clamp onto the thermostat housing then install the upper radiator hose onto it using coupler (23) and hose clamps (25). Install the new air duct as shown in the illustration. To obtain more clearance between the air duct elbow and the clutch, use the spacer and bolt that have been provided in the kit. Remove the rear air cleaner bolt and loosen the front one. Install the spacer (21) in the rear location between the fender and the rubber air cleaner grommet then install the longer bolt (22). Adjust the air cleaner box then tighten the bolts.

4. Replace the engine coolant and connect the battery. Make certain all wires and hoses disturbed during installation do not come in contact with any hot or moving parts. Run the engine and check for proper belt tracking.

**FMK48A-I6**  
**2011-2013 FORD**  
**F250-550 SUPER DUTY**  
**6.2L V8 GAS**



**PARTS LIST**

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|--------------------------|---------------------------|---------------------------------------|
| 1. FMP48A-I6 (1)         | 10. 8mm x 25mm Flange (1) | 19. #56 Hose Clamp (3)                |
| 2. FMB481-I6 (1)         | 11. 5061300 Dayco (1)     | 20. #64 Hose Clamp (1)                |
| 3. FMB482-I6 (1)         | 12. 3/8 x 1-1/2 (2)       | <b><u>Items (21-25) Not Shown</u></b> |
| 4. 8mm x 50mm Flange (3) | 13. 3/8 Flat Washer (2)   | 21. FMB484-I6 Spacer (1)              |
| 5. 8mm x 20mm Flange (2) | 14. 3/8 Lock Washer (2)   | 22. 8mm x 30mm Flange (1)             |
| 6. 16mm x 30mm (1)       | 15. 3/8 Nut (2)           | 23. DMB402(1-1/2" Coupler) (1)        |
| 7. 8mm x 12mm Flange (2) | 16. FMB486-I6 (1)         | 24. 1-1/2" x 2-3/4" Hose (1)          |
| 8. 89051 Dayco (1)       | 17. TP1189-01MOD (1)      | 25. #24 Hose Clamp (2)                |
| 9. FMB483-I6 (1)         | 18. TP146101 (1)          |                                       |